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Production Sector

OMB Control No. 2060-0328 Pending OMB Approval



Company Information

Company Name: ConocoPhillips

Gas STAR Contact: Alena Jonas

Title Sr. Environmental Consultant

Address: **P.O. Box 2197**

3WL 14030

City: Houston

State: TX

Zip: 77252

Phone: 832-486-2727

Fax: 832-486-2141

E-mail: Alena.jonas@conocophillips.com

Company Information Updated: No

Activities Reported

BMP1: Yes BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: 1,689,427

Previous Years' Activities Reported: No

Period Covered by Report

From: **01/01/2011** To: **12/31/2011**

✓ I hereby certify the accuracy of the data contained in this report.

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BMP1: Identify and Replace High-Bleed Pneumatic Devices **Current Year Activities** A. Facility/location identifier information: Mid Continent Business Unit **B.** Facility Summary 388 devices Number of devices replaced this reporting period: _____ % Percent of system now equipped with low/no-bleed units: C. Cost Summary Estimated cost per replacement (including equipment and labor): \$_____ **D.** Methane Emissions Reduction Method Used: Standard Calculation Data Source: Field measurement Methane Emissions Reduction: 81,651 Mcf/year E. Are these emissions reductions a one-year reduction or a multi-year reduction? One-year Multi-year If Multi-year: Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration (BMP 1 has a sunset period of 7 years). Partner will report this activity annually up to allowed sunset date. F. Total Value of Gas Saved Value of Gas Saved: \$571,557 \$ / Mcf used: \$ 7.00 **G. Planned Future Activities** Number of high-bleed devices to be replaced next year: devices

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Previous Years' Activities

Number of	Total Cost *		Value of Gas
Devices Replaced	(\$)	(Mcf/Yr)	Saved (\$)
	Number of Devices Replaced		

^{*} Total cost of replacements (including equipment and labor)

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BMP1: Identify and Replace High-Bleed Pneumatic Devices **Current Year Activities** A. Facility/location identifier information: San Juan Business Unit **B.** Facility Summary 54 devices Number of devices replaced this reporting period: ______% Percent of system now equipped with low/no-bleed units: C. Cost Summary Estimated cost per replacement (including equipment and labor): \$81,000 **D.** Methane Emissions Reduction Method Used: Standard Calculation Data Source: **Manufacturers' specifications** Methane Emissions Reduction: 4,752 Mcf/year E. Are these emissions reductions a one-year reduction or a multi-year reduction? ✓ Multi-year One-year If Multi-year: Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration (BMP 1 has a sunset period of 7 years). Partner will report this activity annually up to allowed sunset date. F. Total Value of Gas Saved Value of Gas Saved: \$14,256 \$ / Mcf used: \$ 3.00 **G. Planned Future Activities** Number of high-bleed devices to be replaced next year:

devices

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Previous Years' Activities

Number of	Total Cost *		Value of Gas
Devices Replaced	(\$)	(Mcf/Yr)	Saved (\$)
	Number of Devices Replaced		

^{*} Total cost of replacements (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Artificial lift: install plunger lifts (10 years)

Please describe how your company implemented this PRO:

Optimization/upgrade of plunger lift controllers

C. Level of Implementation

Number of units installed: 362 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 334,700 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$6,516,000

G. Total Value of Gas SavedValue of Gas Saved: \$ 1,004,100

\$ / Mcf used: \$ 3.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue implementation

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Convert natural gas-driven chemical pumps (10 years)

Please describe how your company implemented this PRO:

Replace gas-driven with solar powered chemical pumps

C. Level of Implementation

Number of units installed: 153 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 13,923 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$657,900

G. Total Value of Gas Saved Value of Gas Saved: \$41,769

\$ / Mcf used: \$ 3.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?:

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

Gulf Coast Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Convert natural gas-driven chemical pumps (10 years)

Please describe how your company implemented this PRO:

Replace gas driven chem pumps with solar powered

C. Level of Implementation

Number of units installed: 80 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 32,704 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$800,000

G. Total Value of Gas Saved Value of Gas Saved: \$ 228,928

\$ / Mcf used: \$ 7.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?:

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Eliminate unnecessary equipment and/or systems

Please describe how your company implemented this PRO:

Wellsite compressor optimization projects - downsize base compression fleet for compressors that are less than 20-25% utilized.

C. Level of Implementation

Number of units installed: 53 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 306,837 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

✓ One-year Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$1,797,737

G. Total Value of Gas SavedValue of Gas Saved: \$2,147,859

\$ / Mcf used: **\$ 7.00**

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?:

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

Gulf Coast Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Eliminate unnecessary equipment and/or systems

Please describe how your company implemented this PRO:

Downsize gas driven Kimray glycol circulation pumps with smaller pumps.

C. Level of Implementation

Number of units installed: 5 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 8,870 Mcf/year

Basis for the emissions reduction estimate: Calculation using manufacturer specifications

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

✓ One-year Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$12,000

G. Total Value of Gas Saved Value of Gas Saved: \$26,610

\$ / Mcf used: \$ 3.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?:

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

Perform reduced emissions completions for hydraulically fractured natural gas wells

Please describe how your company implemented this PRO:

Closed-loop completions

C. Level of Implementation

Number of units installed: 110 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 905,161 Mcf/year

Basis for the emissions reduction estimate: Actual field measurement

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

✓ One-year Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$3,850,000

G. Total Value of Gas SavedValue of Gas Saved: \$6,336,127

\$ / Mcf used: **\$ 7.00**

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?:

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

A. Facility/location identifier information:

San Juan Business Unit

B. Description of PRO

Please specify the technology or practice that was implemented:

RV Block Valve Installation

Please describe how your company implemented this PRO:

Installation of block valves under relief valves to reduce gas blowdown during relief valve maintenance.

C. Level of Implementation

Number of units installed: 4,335 units

D. Methane Emissions Reduction

Methane Emissions Reduction: 829 Mcf/year

Basis for the emissions reduction estimate: **Other**

estimate

E. Are these emissions reductions a one-year reduction or a multi-year reduction?

One-year

✓ Multi-year

If Multi-year:

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

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F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$867,000

G. Total Value of Gas Saved Value of Gas Saved: \$5,803

\$ / Mcf used: \$ 3.00

H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: Plan to continue installation at all wells

Previous Years' Activities

Year	Frequency of practice/activity or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

^{*} Total cost of practice/activity (including equipment and labor)

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Additional Accomplishments